

PATENT APPLICATION

Title: Chemical Synthesis Comprising Heat Treatment by Intermittent Dielectric Heating, Combined with a Recycling System

Inventor: Mr. Pierre Charlier de Chily
Mrs. Mikaële Raynard

Applicants: ALDIVIA S.A.

ABSTRACT

This invention relates to the design of a process by intermittent dielectric heating combined with a recycling system.

This process consists in subjecting reagents to electromagnetic waves selected in the frequencies ranging between 300 GHz and 3 MHz intermittently using a recycling system.

This process enables the treatment of oils that are hardly absorbent as well as great investment savings.

This process enables operation on different scales, whether in laboratories, on a semi-industrial or industrial scale, without forfeiting the advantages of continuous dielectric heating.

FIG. 1

**Chemical Synthesis Comprising Heat Treatment by
Intermittent Dielectric Heating, Combined with
a Recycling System**